



# TELVENT

## ITS MD Spring Seminar

**What:** ITS Maryland Spring Seminar: Practical Planning and Operational Applications of New Traffic Data Collection, Aggregation, and Fusion Technologies

**When:** Thursday, May 10<sup>th</sup>, 2-5PM

**Where:** Telvent  
1390 Piccard Drive, Suite 200  
Rockville, MD 20850

Followed by Bowling 5-7PM  
300 Bowling Alley - Shady Grove  
15720 Shady Grove Rd. Gaithersburg, MD 20877  
(behind the Red Lobster)

(free to ITSMD members, \$25 non-members, bowling pay-as-you-go)

Invited Speakers: Nikola Ivanov & Stan Young (UMD-CATT); Bala Akundi & Ed Styc (BMC); Subrat Mahapatra & Rick Dye (SHA); and Wenjing Pu (MWCOG):

**Stanley Young (University of Maryland, Center for Advanced Transportation Technology)** – An overview of the fundamentals of Bluetooth™ traffic monitoring (BTM) technology developed at the University of Maryland and commercialized through Traffax Inc. BTM was initially developed and deployed in freeway applications, but has many applications on arterials, particularly performance measures of arterial traffic flow. In partnership with Purdue University, Traffax has developed a guidebook for arterial applications, and Dr. Young will present highlights of BTM arterial performance measures as applied to a section of Rockville Pike in Montgomery County.

**Nikola Ivanov (University of Maryland, Center for Advanced Transportation Technology)** – An overview and demonstration of the Vehicle Probe Project Suite of software tools developed by the CATT lab to translate aggregated data into actionable information for decision making. The lab fuses vehicle probe data with incident data to allow state agencies to generate statistical reports, identify problems on the roadways, evaluate projects in concept development, and quantify the roadway performance before and after construction projects to estimate the return on investment.

**Bala Akundi & Ed Styc (Baltimore Metropolitan Council)** – An overview of some of the ways in which the Baltimore Metropolitan Council (BMC) has begun using probe data for performance measurement in their Congestion Management Process (CMP) and other MPO work activities.

**Wenjing Pu (Metropolitan Washington Council of Governments)** – Using INRIX Traffic Information for Planning and Programming. Examples of planning applications of using INRIX traffic data (fused with vehicle volumes), including Congestion Management Process (CMP), Management and Operations Planning, Regional Transportation Priorities Plan and local jurisdictional studies.

**Subrat Mahapatra (MD State Highway Administration)** – A review of MD SHA's recent experiences with the "Use of datasets and applications using advanced technologies and ITS for performance based planning". The presentation will focus on congestion and reliability performance measures that SHA uses for its Business Plan reporting, project identification and programming decisions.

**Rick Dye (MD State Highway Administration)** – An update on CHART use of Inrix data to display travel time information to the motoring public on its Dynamic Message Signs (DMS). Since the initial 6-sign pilot launched in January 2010 the program has increased to 47 DMS signs throughout the Baltimore-Washington metropolitan region and on the way to the Eastern Shore. The Maryland Transportation Authority (MDTA) also uses CHART for travel time displays on their signs. CHART continues to investigate different strategies of information content and display to improve the utility of this service.

Gain a better understanding of this fast growing area in ITS and develop the knowledge necessary to be more effective on your next project!

**Space is limited! Please RSVP to Janette Prince at [janette@umd.edu](mailto:janette@umd.edu)**